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This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): An oscillator having a resonance circuit connected to an amplifying circuit,

wherein said amplifying circuit comprises an element having a frequency characteristic, thereby decreasing power amplification of said amplifying circuit by at least 3dB in a frequency band lower than about 0.5 times an oscillating frequency f_0 or and in a frequency band higher than about $2f_0$, as compared to the power amplification of said amplifying circuit at the oscillating frequency f_0 .

Claim 2 (original): An oscillator according to claim 1, wherein said element is constituted by a single unit selected from among an inductor, a capacitor, and a microstrip line; or by a combination of a plurality of units selected from among an inductor, a capacitor, a microstrip line, and a resistor.

Claim 3 (previously presented): An oscillator according to claim 1, wherein said element comprises a dielectric or piezoelectric material.

Claim 4 (currently amended): An oscillator having a resonance circuit connected to an amplifying circuit,

wherein said amplifying circuit comprising an element having a frequency characteristic, thereby decreasing power amplification of said amplifying circuit by at least 3dB in a frequency band lower than about 0.5 times an oscillating frequency f_0 or and in a frequency band higher than about $2f_0$, as compared to the power amplification of said amplifying circuit at the oscillating frequency f_0 , and

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wherein at least one of said resonance circuit and said amplifying circuit is comprised of an MMIC.

Claim 5 (original): An oscillator according to claim 4, further comprising a peripheral circuit, wherein at least one of said resonance circuit, said amplifying circuit, and said peripheral circuit is comprised of an MMIC.

Claim 6 (currently amended): An oscillator having a resonance circuit connected to an amplifying circuit,

wherein said amplifying circuit comprising an element having a frequency characteristic, thereby decreasing power amplification of said amplifying circuit by at least 3dB in a frequency band lower than about 0.5 times an oscillating frequency f_0 or and in a frequency band higher than about $2f_0$, as compared to the power amplification of said amplifying circuit at the oscillating frequency f_0 , and

wherein said resonance circuit and said amplifying circuit are integrally formed on a resin substrate or a ceramic substrate.

Claim 7 (original): An oscillator according to claim 6, further comprising a peripheral circuit, wherein said resonance circuit, said amplifying circuit, and said peripheral circuit are integrally formed on a resin substrate or a ceramic substrate.

Claim 8 (original): An oscillator according to claim 1, wherein said amplifying circuit comprises an NPN transistor and said element is provided between an emitter of said NPN transistor and ground.

Claim 9 (previously presented): An oscillator according to claim 1, wherein said resonance circuit is in a feedback circuit which is connected between an output and an input of said amplifying circuit.

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Claim 10 (previously presented): An oscillator according to claim 4, wherein said resonance circuit is in a feedback circuit which is connected between an output and an input of said amplifying circuit.

Claim 11 (previously presented): An oscillator according to claim 6, wherein said resonance circuit is in a feedback circuit which is connected between an output and an input of said amplifying circuit.

Claim 12 (previously presented): An oscillator according to claim 1, wherein said amplifying circuit comprises an amplifier and said element is connected to one of an input terminal, an output terminal, a power supply terminal and a ground terminal of said amplifier.

Claim 13 (previously presented): An oscillator according to claim 4, wherein said amplifying circuit comprises an amplifier and said element is connected to one of an input terminal, an output terminal, a power supply terminal and a ground terminal of said amplifier.

Claim 14 (previously presented): An oscillator according to claim 6, wherein said amplifying circuit comprises an amplifier and said element is connected to one of an input terminal, an output terminal, a power supply terminal and a ground terminal of said amplifier.